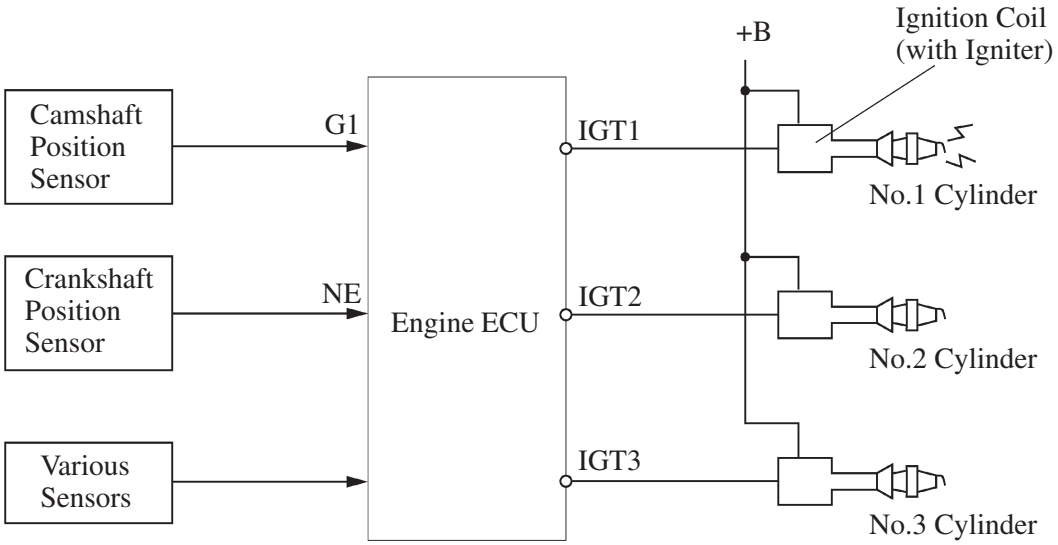
■IGNITION SYSTEM

1. General

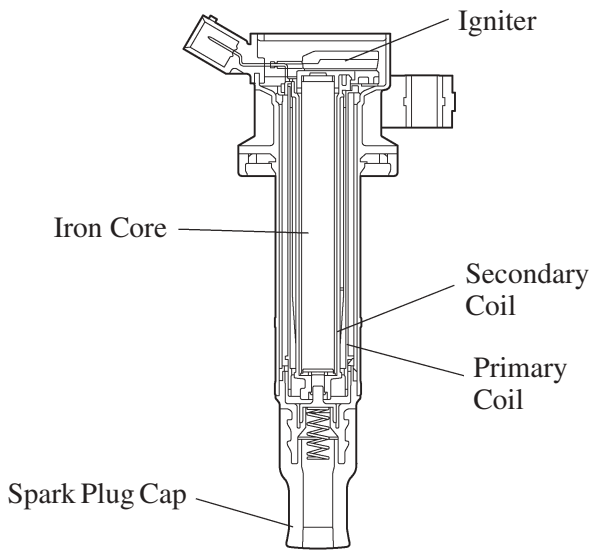
A DIS (Direct Ignition System) is used. The DIS ensures the ignition timing accuracy, reduces high-voltage loss, and realizes the overall reliability of the ignition system by eliminating the distributor. The DIS in this engine is an independent ignition system, which has one ignition coil for each cylinder.



287EG29

2. Ignition Coil

The DIS provides 3 ignition coils, one for each cylinder. The spark plug caps, which provide contact to spark plugs, are integrated with an ignition coil. Also, an igniter is enclosed to simplify the system.

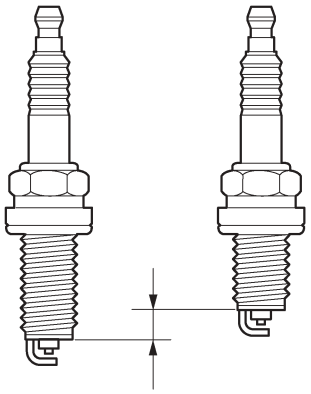


Ignition Coil Cross Section

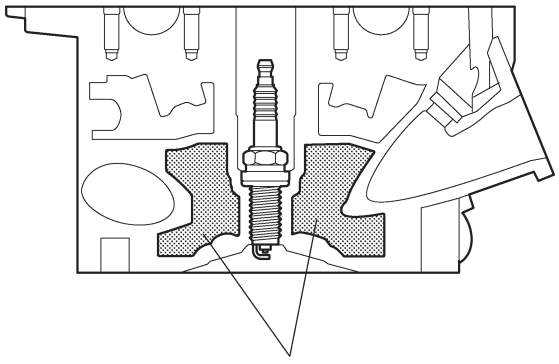
287EG30

3. Spark Plug

Long-reach type spark plugs are used. This type of spark plugs allows the area of the cylinder head to receive the spark plugs to be made thick. Thus, the water jacket can be extended near the combustion chamber, which contributes to cooling performance.



Long-reach Type **Conventional Type**



287EG38

▶ Specifications ◀

Spark Plug	DENSO	K20HR-U11
Plug Gap	1.1 mm (0.043 in.)	